

CASTLE DONINGTON RURAL DISTRICT COUNCIL.

Public Health Department,  
Council Offices,  
CASTLE DONINGTON,  
Near Derby.

6th September, 1949.

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH  
FOR THE YEAR 1948.

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TO THE MINISTER OF HEALTH  
THE CHAIRMAN AND MEMBERS OF THE  
CASTLE DONINGTON RURAL DISTRICT COUNCIL.

Mr. Chairman, Mrs. Powell Heath and Gentlemen,

Following the custom adopted in recent years on the suggestion of the Minister of Health this report deals briefly with matters of public health within my responsibility.

The general health of the people living in the district was very good. There were no serious outbreaks of infectious disease although there were twenty-six cases of measles in Long Whatton and twenty four in the adjacent village of Diseworth out of an areal total of one hundred and thirty three. In 1947 there were two hundred and fourteen notifications of this disease.

There was a rise in the number of cases of scarlet fever from seven to thirty one, twenty one of them occurring in Kegworth. This disease appears to be very much milder than it was some years ago and serious complications are very rare in this district.

For the second successive year we had a case of poliomyelitis in Castle Donington. As in the 1947 case recovery was complete.

There was unfortunately a considerable rise in whooping cough from twenty four cases to fifty five. Most of them occurred in Castle Donington children in the first three months of the year.

It is pleasant to be able to report that there were no cases of diphtheria. Except for a man of 33 who had diphtheria in 1947 there have been no cases since 1944.

On the 5th July, diphtheria immunisation became the responsibility of the County Council Health Department. At that time fourteen hundred and twenty-seven children under fifteen years of age had been immunised by general medical practitioners under your scheme, and I would like to record my great appreciation for their efficient co-operation, which, with the help of the County Council Health Visitor, made the scheme such a success.

The comparative vital statistics were interesting as the death rate for the rural district fell from 11.6 per thousand of the population to 10. The figure for England and Wales was 10.8 per thousand. The corrected live births total was one hundred and seventy nine which was ten more than in 1947. This represented a live birth rate of 19.5 per thousand of the total population and was 0.5 less than the rate for 1947, but was 1.6 per thousand higher than the rate for the whole of England and Wales.

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There were six still births giving a still birth rate of 0.65, against 0.71 for 1947 and 0.42 for England and Wales. There were also six still born babies in 1947.

Only five children died under one year of age. This gave a rate of 28 per thousand related live births. The rate in 1947 was 47 and for England and Wales it was 34. Although 28 per thousand is a very good figure, it should be remembered that the areal figures show a wide variation from year to year owing to the comparative small number of total births. In 1947 the high rate was partly due to the inclusion of three deaths from prematurity. In the year under review only one premature infant died.

There was one maternal death.

Throughout the year the water supply was satisfactory both in quality and quantity. As the supply is obtained from three separate sources the degree of hardness is not uniform. The Authorities providing the water carry out periodic analyses.

I have appended for your information short tables showing the zymotic disease rates and aggregates and also a note on the water supply.

I am,

Your obedient servant,

T.M. MONIFORD,

Medical Officer of Health.

ZYMOTIC DISEASE IN THE VILLAGES COMPRISING THE RURAL DISTRICT.

YEAR 1948.

Disease	Castle Dorington	Kegworth	Hemington	Lockington	Diseworth	Long Whetton	Breedon on-the- Hill	Belton	Wilson	Charley	Total
Measles	27	27	2	1	24	26	12	11	3		133
Puerperal Pyrexia	1										1
Scarlet Fever	3	21			2	5					31
Parotitis	11	1	2		1	1		1			17
Whooping Cough	38	13	1		1	1		1			55
Poliomyelitis	1										1
Erysipelas	1										1
Typhoid Fever										1	1
Total	82	62	5	1	28	33	12	13	3	1	240



ZYMOTIC DISEASE COMPARISONS.

NOTIFICATION RATES PER 1,000 CIVILIAN POPULATION.

Notifications	Castle Donington Rural District Council		England and Wales	Great Towns	Smaller Towns
	1948	1947			
Primary Pneumonia	1.84	3.08	0.73	0.84	0.60
Scarlet Fever	3.36	0.83	1.73	1.90	1.82
Erysipelas	0.11	0.83	0.21	0.23	0.21
Whooping Cough	5.97	2.84	3.42	3.51	3.31
Measles	14.45	24.19	9.34	9.75	8.84
Diphtheria	Nil	0.11	0.08	0.10	0.09
Typhoid	0.11	nil	0.01	0.01	nil
Paratyphoid	Nil	Nil	0.05	0.06	0.05
Acute Poliomyelitis	0.11	0.11	0.04	0.05	0.04

WATER SUPPLIED TO VILLAGES.


<u>Village</u>	<u>Source</u>	<u>Authority</u>
Castle Donington	(a) Stanton-by-Bridge Waterworks	Long Eaton Urban District Council.
	(b) Derwent Waterworks	Leicester Corporation
	(This supply is mixed)	
Breedon-on-the-Hill	Derwent Waterworks	Leicester Corporation
Isley Walton	- do -	- do -
Hemington	- do -	- do -
Lockington	- do -	- do -
Kegworth	- do -	- do -
Diseworth	- do -	- do -
Long Whatton	Blackbrook Waterworks	Loughborough Corporation
Belton	- do -	- do -

The following is a bacteriological and chemical report supplied by the Long Eaton Water Engineer and refers to the water supplied to the Council from Stanton-by-Bridge Waterworks :-

Bacteriological Reports on samples (9) taken during the year all shew "Bacteriologically the sample of water is suitable for drinking purposes". In all cases "Probable number of coliform bacilli present per 100 mil. was Nil".

Chemical Analysis taken on 7th July, 1948

Appearance in 2 ft. tube	Slightly turbid. Colourless.
pH. Value	7.25.
	<u>Parts per 100,000</u>
Total Solid Matter (dried at 180°C.)	47.8
Free and Saline Ammonia	0.0027
Albuminoid Ammonia	0.0036
Nitrogen as nitrites	very faint trace
Nitrogen as nitrates	0.6
Chlorine (present as chloride)	2.95
Oxygen absorbed in four hours at 80° F.	0.018
Hardness	23
Temporary	13.5
Permanent	36.5
Total	0.01
Metals	Iron



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REPORTS ON ANALYSES.

	<u>Bacteriological</u> <u>Samples Taken</u>	<u>Chemical Samples</u> <u>Taken</u>
By <u>Leicester Corporation</u>	Monthly All satisfactory	Monthly All satisfactory
" <u>Loughborough</u> <u>Corporation</u>	Monthly All satisfactory	Twice per year Both satisfactory
" <u>Long Eaton Urban</u> <u>District Council</u>	Nine during year All satisfactory	Three per year All satisfactory
" <u>Castle Donington Rural District Council</u>		
Belton	One Satisfactory	
Isley Walton	One Satisfactory	
Hemington	One Satisfactory	
Aerodrome Castle Donington	One Satisfactory.	

DOMESTIC SUPPLY.

Particulars of the number of dwelling houses and population supplied from the Public mains :-

	<u>No. of Houses.</u>	<u>Approximate</u> <u>Population.</u>
Direct to the houses by means of standpipes	46	270
Direct to the houses	2,042	7,437

